

QAB
11/10/06

- 11) Please replace the paragraph at page 18, line ⁷~~22~~ with the following:
- When the weld 50 has two large a width, the inspection may be supplemented by offset passes in TOFD mode, as shown schematically in ~~figure~~ **Figure 9** by means of the device comprising the transducers 5, 6 of figure 1, thereby making it possible to cover the entire width to be inspected, that is to say the entire heat-affected zone 58 of the welding.

- 12) Please insert the following paragraph at page 19, line 20:

It will be understood that many additional changes in the details, materials, steps and arrangement of parts, which have been herein described in order to explain the nature of the invention, may be made by those skilled in the art within the principle and scope of the invention as expressed in the appended claims. Thus, the present invention is not intended to be limited to the specific embodiments in the examples given above.

- 13) Please replace the subtitle at page 20, line 1, with the following text:

CLAIMS What is claimed is:

- 14) Please insert the following subtitle and text to new page 24, line 1:

Abstract of the Disclosure

The invention concerns a method for non-destructive ultrasonic control, combining time-of-flight diffraction (TOFD) and inclined longitudinal wave techniques, of weld joints assembling two abutted parts. The method consists of using the time-of-flight diffraction technique, displacing in the longitudinal or circumferential direction, along the weld joint to be controlled, at least one pair consisting of a first transducer and of a second transducer, one transmitting and the other receiving ultrasonic waves, these transducers being laterally positioned on either side of the joint to be controlled, these transducers comprising piezoelectric ceramics or crystals. Furthermore, it consists of displacing along the welded joint to be controlled, using the inclined longitudinal wave technique, at least a third transducer, so as to detect any defect of the joint located at a thickness ranging between 0.5 mm and 15 mm.